BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Development of Roads and Drains at Kasagattapura, Vaderahalli, Shivakote, Kachohalli Grama Panchayathi Limits and Surrounding Areas of Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants.(PACKAGE NO-05)

Estimation Cost.Rs 160000000.00

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete Grade M-15 & M-20 (PWD SR 2021-22 Vol III Pg no 8 Item No 2.7(i))								
	Drain Bottom Raft								
	Vaderahalli Village								
	2nd Cross Road 10th A Main Road	Cum	2	56.00	0.75	0.15	12.60		
	Drain Side Wall								
	Vaderahalli Village								
	2nd Cross Road 10th A Main Road	Cum	4	56.00	0.15	0.60	20.16		
	Culvert Bottom Raft								
	Vaderahalli Village								
	6th Cross Road	Cum	1	6.20	1.20	0.23	1.71		
	Basic rate	731.00							
	Area weightage 3%	21.93							
	Sub Total	752.93							
	Total						34.47	752.93	25955.00
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead (iii) Dismantling Stone Masonry B Rubble stone masonry in cement mortar. (PWD SR 2021-22 Vol III Pg no 8 Item No 2.10(iv))								
	Culvert								
	Kachohalli Village								
	Manchohalli Main Road To Srinivasa House	Cum	2	8.30	0.45	0.40	2.99		
	Vaderahalli Village								
	6th Cross Road	Cum	2	6.20	0.45	0.50	2.79		
	Basic rate	481.00							
	Area weightage 3%	14.43							
	Sub Total	495.43							
	Total						5.78	495.43	2863.00
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg No 5 item no 1.4.1)								
	New Drain	Cum							
	Kachohalli Village								
	Nuneshwara Layout Main Rd LHS	Cum	1	82.00	1.10	1.10	99.22		
	2nd Cross left Side Rd LHS	Cum	1	115.00	1.10	0.90	113.85		
	2nd Cross Right Side Rd RHS	Cum	1	116.00	1.10	1.05	133.98		
	3rd Cross Left Side Rd	Cum	2	174.00	1.10	1.05	401.94		
	3rd Cross Right Side Rd LHS	Cum	1	140.00	1.10	1.05	161.70		
	Krishna Nagra KVN Complex Opposite Rd	Cum	1	82.00	1.10	0.90	81.18		

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	For Culvert								
		Cum	1	6.80	1.40	1.10	10.47		
		Cum	1	8.30	1.40	0.95	11.04		
		Cum	1	8.30	1.40	1.10	12.78		
	Desilt								
	Kachohalli Village								
		Cum	1	82.00	0.60	0.45	22.14		
		Cum	1	1800.00	0.60	0.45	486.00		
	Vaderahalli Village								
	Elegant Nest Layout								
	Anjinamma House Rd								
	Main Rd	Cum	2	378.00	1.10	1.20	997.92		
	Sri Renuka Nilaya House Rd	Cum	2	171.00	1.10	0.90	338.58		
	Netaji Layout 3rd main Rd	Cum	2	63.30	1.10	0.90	125.33		
	3rd Cross Rd	Cum	2	52.80	1.10	0.90	104.54		
	Muneshwara Layout	Cum	2	37.00	1.10	0.90	73.26		
	From 10th Main to 1st Cross Rd								
	From 10th Main to 2nd Cross Rd	Cum	2	74.00	0.95	0.90	126.54		
	From 10th Main to 3rd Cross Rd	Cum	2	56.00	0.95	0.90	95.76		
	Latha Rajappa House Rd	Cum	1	54.00	0.95	0.90	46.17		
	From 10th Main Cross Rd	Cum	2	54.00	0.95	0.90	92.34		
		Cum	2	56.00	0.95	0.90	95.76		
	Culvert								
	Vaderahalli Village								
		Cum	1	6.50	1.40	0.95	8.65		
		Cum	1	5.20	1.40	0.95	6.92		
		Cum	1	5.20	1.40	0.95	6.92		
		Cum	1	5.60	1.40	0.95	7.45		
	Muneshwara Layout					0.15			
		Cum	1	5.90	1.40	0.95	7.85		
		Cum	1	6.20	1.40	0.95	8.25		
		Cum	1	6.10	1.40	0.95	8.11		
	Desilt								
		Cum	2	82.00	0.45	0.45	33.21		
	For Flagging Course								
	Vaderahalli Village								
	8th Cross Road	Cum	2	82.00	0.15	0.15	3.69		
	Cross Road	Cum	1	1300.00	0.60	0.45	351.00		
	Shivakaote								
	Kempapura								
	Sri Manjunath Enclave								
	LHS	Cum	1	52.00	1.10	1.20	68.64		
	Guni Agrahara								
	2nd Cross Rd	Cum	2	82.50	1.10	1.20	217.80		
	3rd Cross Rd	Cum	1	60.20	1.10	1.20	79.46		
	Anjanadri Public School Opposite Rd								
	LHS	Cum	1	210.00	0.95	0.90	179.55		
	For Culvert								
	Shivakaote								
		Cum	1	9.20	1.40	0.95	12.24		
		Cum	1	7.00	1.40	0.95	9.31		
		Cum	1	8.40	1.40	0.95	11.17		
		Cum	1	6.20	1.40	0.95	8.25		
	Kasagattapura								
	Sri Pooja Devi Temple Rd	Cum	1	28.00	0.80	0.60	13.44		

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Soldevanahalli								
	Gopal Harish Provision Store Rd								
	Anganawasi Kendra Rd								
	LHS	Cum	1	202.10	1.10	1.20	266.77		
	SSV Telecome Opposite Rd								
	RHS	Cum	1	167.00	1.10	0.90	165.33		
	Basava Shri Layout								
	Lalitamma and Srinivas House Rd	Cum	2	112.00	1.10	0.90	221.76		
	Achit Nagara								
	Rangaswami House Rd								
	LHS	Cum	1	68.00	1.10	0.90	67.32		
	For Culvert								
	Kasagattapura								
	Soldevanahalli								
		Cum	1	6.20	1.40	0.95	8.25		
	Desilt								
	Kasagattapura								
		Cum	2	254.00	0.45	0.45	102.87		
	Soldevanahalli								
		Cum	1	202.10	0.45	0.45	40.93		
	Basava Shri Layout								
		Cum	2	78.00	0.45	0.45	31.59		
		Cum	2	79.00	0.45	0.45	32.00		
		Cum	1	350.00	0.60	0.50	105.00		
	Achit Nagara								
		Cum	2	412.00	0.45	0.45	166.86		
	Foundation for lighting poles	Cum	200.00	0.80	0.80	1.65	211.20		
	Veerasagara								
	SSM Drain								
		Cum	1	19.80	3.85	1.95	148.65		
	Basic rate	186.00							
	Area weightage 3%	5.58							
	Sub Total	191.58					6240.92	191.58	1195635.00
	Total								
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
	New Drain	Cum							
	Kachohalli Village								
	Nuneshwara Layout Main Rd								
	LHS	Cum	1	82.00	1.10	0.15	13.53		
	2nd Cross left Side Rd								
	LHS	Cum	1	115.00	1.10	0.15	18.98		
	2nd Cross Right Side Rd								
	RHS	Cum	1	116.00	1.10	0.15	19.14		
	3rd Cross Left Side Rd	Cum	2	174.00	1.10	0.15	57.42		
	3rd Cross Right Side Rd								
	LHS	Cum	1	140.00	1.10	0.15	23.10		
	Krishna Nagra								
	KVN Complex Opposite Rd	Cum	1	82.00	1.10	0.15	13.53		
	Vaderahalli Village								
	Elegant Nest Layout								
	Anjinamma House Rd	Cum	2	378.00	1.10	0.15	124.74		
	Main Rd	Cum	2	171.00	1.10	0.15	56.43		
	Sri Renuka Nilaya House Rd	Cum	2	63.30	1.10	0.15	20.89		
	Netaji Layout 3rd main Rd	Cum	2	52.80	1.10	0.15	17.42		
	3rd Cross Rd	Cum	2	37.00	1.10	0.15	12.21		
	Muneshwara Layout								
	From 10th Main to 1st Cross Rd	Cum	2	74.00	0.95	0.15	21.09		
	From 10th Main to 2nd Cross Rd	Cum	2	56.00	0.95	0.15	15.96		

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Sl No	Description of work	Unit	Measurement				Qty	Rate	Amount
			No.	L	B	D			
	From 10th Main to 3rd Cross Rd								
	Latha Rajappa House Rd	Cum	1	54.00	0.95	0.15	7.70		
	From 10th Main Cross Rd	Cum	2	54.00	0.95	0.15	15.39		
	Shivalkaote	Cum	2	56.00	0.95	0.15	15.96		
	Kempapura								
	Sri Manjunath Enclave								
	LHS								
	Gnani Agrahara	Cum	1	52.00	1.10	0.15	8.58		
	2nd Cross Rd								
	3rd Cross Rd	Cum	2	82.50	1.10	0.15	27.23		
	Anjanadri Public School Opposite Rd	Cum	1	60.20	1.10	0.15	9.93		
	LHS								
	Kanaganapura	Cum	1	210.00	0.95	0.15	29.93		
	Sri Pooja Devi Temple Rd								
	Soldevanahalli	Cum	1	28.00	0.80	0.15	3.36		
	Gopal Harish Provision Store Rd								
	Anganawasi Kendra Rd								
	LHS								
	SSV Telecome Opposite Rd								
	RHS	Cum	1	202.10	1.10	0.15	33.35		
	Basava Shri Layout	Cum	1	167.00	1.10	0.15	27.56		
	Lalitamma and Srinivas House Rd								
		Cum	2	112.00	1.10	0.15	36.96		
	Achit Nagara								
	Rangaswami House Rd								
	LHS								
		Cum	1	68.00	1.10	0.15	11.22		
	For Culvert								
	Kachohalli Village								
		Cum	1	6.80	1.40	0.15	1.43		
		Cum	1	8.30	1.40	0.15	1.74		
		Cum	1	8.30	1.40	0.15	1.74		
	Vaderahalli Village								
	Netaji Layout								
		Cum	1	6.50	1.40	0.15	1.37		
		Cum	1	5.20	1.40	0.15	1.09		
		Cum	1	5.20	1.40	0.15	1.09		
		Cum	1	5.60	1.40	0.15	1.18		
						0.15			
	Muneshwara Layout	Cum	1	5.90	1.40	0.15	1.24		
		Cum	1	6.20	1.40	0.15	1.30		
		Cum	1	6.10	1.40	0.15	1.28		
	Shivalkaote								
	Muthugadha Halli	Cum	1	9.20	1.40	0.15	1.93		
	Lingadahalli Main Road	Cum	1	7.00	1.40	0.15	1.47		
		Cum	1	8.40	1.40	0.15	1.76		
		Cum	1	6.20	1.40	0.15	1.30		
	Kasagattapura								
	Soldevanahalli	Cum	1	6.20	1.40	0.15	1.30		
		Cum	200	0.80	0.80	0.15	19.20		
	Foundation for lighting poles								
	Veerasagara								
	SSM Drain	Cum	1	19.80	3.85	0.15	11.43		
		5752.00							
	Basic rate	172.56							
	Area weightage 3%	5924.56							
	Sub Total						693.45	5924.56	4108404.00
	Total								

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2)								
	Bottom Raft								
	Kachohalli Village	Cum							
	Nuneshwara Layout Main Rd								
	LHS								
	2nd Cross left Side Rd	Cum	1	82.00	0.90	0.15	11.07		
	LHS								
	2nd Cross Right Side Rd	Cum	1	115.00	0.90	0.15	15.53		
	RHS								
	3rd Cross Left Side Rd	Cum	1	116.00	0.90	0.15	15.66		
	3rd Cross Right Side Rd	Cum	2	174.00	0.90	0.15	46.98		
	LHS								
	Krishna Nagra	Cum	1	140.00	0.90	0.15	18.90		
	KVN Complex Opposite Rd								
	Vaderahalli Village	Cum	1	82.00	0.90	0.15	11.07		
	Elegant Nest Layout								
	Anjinamma House Rd								
	Main Rd	Cum	2	378.00	0.90	0.15	102.06		
	Sri Renuka Nilaya House Rd	Cum	2	171.00	0.90	0.15	46.17		
	Netaji Layout 3rd main Rd	Cum	2	63.30	0.90	0.15	17.09		
	3rd Cross Rd	Cum	2	52.80	0.90	0.15	14.26		
	Muneshwara Layout	Cum	2	37.00	0.90	0.15	9.99		
	From 10th Main to 1st Cross Rd								
	From 10th Main to 2nd Cross Rd	Cum	2	74.00	0.75	0.15	16.65		
	From 10th Main to 3rd Cross Rd	Cum	2	56.00	0.75	0.15	12.60		
	Latha Rajappa House Rd	Cum	1	54	0.75	0.15	6.08		
	From 10th Main Cross Rd	Cum	2	54	0.75	0.15	12.15		
	Shivakaote	Cum	2	56.00	0.75	0.15	12.60		
	Kempapura								
	Sri Manjunath Enclave								
	LHS	Cum	1	52.00	0.90	0.15	7.02		
	Guni Agrahara								
	2nd Cross Rd	Cum	2	82.50	0.90	0.15	22.28		
	3rd Cross Rd	Cum	1	60.20	0.90	0.15	8.13		
	Anjanadri Public School Opposite Rd								
	LHS	Cum	1	210.00	0.75	0.15	23.63		
	Kasagattapura								
	Sri Pooja Devi Temple Rd	Cum	1	28.00	0.60	0.15	2.52		
	Soldevanahalli								
	Gopal Harish Provision Store Rd								
	Anganawasi Kendra Rd								
	LHS	Cum	1	202.10	0.90	0.15	27.28		
	SSV Telecome Opposite Rd								
	RHS	Cum	1	167.00	0.90	0.15	22.55		
	Basava Shri Layout								
	Lalitamma and Srinivas House Rd	Cum	2	112.00	0.90	0.15	30.24		
	Achit Nagara								
	Rangaswami House Rd								
	LHS	Cum	1	68.00	0.90	0.15	9.18		
	Side Wall								
	Kachohalli Village								
	Nuneshwara Layout Main Rd								
	LHS	Cum	2	82.00	0.15	0.75	18.45		
	2nd Cross left Side Rd								
	LHS	Cum	2	115.00	0.15	0.60	20.70		

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	2nd Cross Right Side Rd								
	RHS								
	3rd Cross Left Side Rd	Cum	2	116.00	0.15	0.75	26.10		
	3rd Cross Right Side Rd	Cum	4	174.00	0.15	0.75	78.30		
	LHS								
	Krishna Nagra	Cum	2	140.00	0.15	0.75	31.50		
	KVN Complex Opposite Rd								
	Vaderahalli Village	Cum	2	82.00	0.15	0.60	14.76		
	Elegant Nest Layout								
	Anjinamma House Rd								
	Main Rd	Cum	4	378.00	0.15	0.90	204.12		
	Sri Renuka Nilaya House Rd	Cum	4	171.00	0.15	0.60	61.56		
	Netaji Layout 3rd main Rd	Cum	4	63.30	0.15	0.60	22.79		
	3rd Cross Rd	Cum	4	52.80	0.15	0.60	19.01		
	Muneshwara Layout	Cum	4	37.00	0.15	0.60	13.32		
	From 10th Main to 1st Cross Rd	Cum	4	74.00	0.15	0.60	26.64		
	From 10th Main to 2nd Cross Rd	Cum	4	56.00	0.15	0.60	20.16		
	From 10th Main to 3rd Cross Rd	Cum	2	54.00	0.15	0.60	9.72		
	Latha Rajappa House Rd	Cum	4	54.00	0.15	0.60	19.44		
	From 10th Main Cross Rd	Cum	4	56.00	0.15	0.60	20.16		
	Shivakaote								
	Kempapura								
	Sri Manjunath Enclave								
	LHS	Cum	2	52.00	0.15	0.90	14.04		
	Guni Agrahara								
	2nd Cross Rd	Cum	4	82.50	0.15	0.90	44.55		
	3rd Cross Rd	Cum	2	60.20	0.15	0.90	16.25		
	Anjanadri Public School Opposite Rd								
	LHS	Cum	2	210.00	0.15	0.60	37.80		
	Kasagattapura								
	Sri Pooja Devi Temple Rd	Cum	2	28.00	0.15	0.30	2.52		
	Soldevanahalli								
	Gopal Harish Provision Store Rd								
	Anganawasi Kendra Rd								
	LHS	Cum	2	202.10	0.15	0.90	54.57		
	SSV Telecome Opposite Rd								
	RHS	Cum	2	167.00	0.15	0.60	30.06		
	Basava Shri Layout								
	Lalitamma and Srinivas House Rd	Cum	4	112.00	0.15	0.60	40.32		
	Achit Nagara								
	Rangaswami House Rd								
	LHS	Cum	2	68.00	0.15	0.60	12.24		
	Culvert								
	Bottom Raft	Cum							
	Kachohalli Village								
		Cum	1	6.80	1.20	0.20	1.63		
		Cum	1	8.30	1.20	0.20	1.99		
		Cum	1	8.30	1.20	0.20	1.99		
	Vaderahalli Village								
	Netaji Layout								
		Cum	1	6.50	1.20	0.20	1.56		
		Cum	1	5.20	1.20	0.20	1.25		
		Cum	1	5.20	1.20	0.20	1.25		
		Cum	1	5.60	1.20	0.20	1.34		
	Muneshwara Layout								
		Cum	1	5.90	1.20	0.20	1.42		

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	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Shivakaote	Cum	1	6.20	1.20	0.20	1.49		
	Muthugadha Halli	Cum	1	6.10	1.20	0.20	1.46		
	Lingadahalli Main Road								
		Cum	1	9.20	1.20	0.20	2.21		
		Cum	1	7.00	1.20	0.20	1.68		
		Cum	1	8.40	1.20	0.20	2.02		
	Kasagattapura	Cum	1	6.20	1.20	0.20	1.49		
	Soldevanahalli								
	Side Wall	Cum	1	6.20	1.20	0.20	1.49		
	Kachohalli Village								
		Cum	2	6.80	0.25	0.75	2.55		
		Cum	2	8.30	0.25	0.60	2.49		
	Vaderahalli Village	Cum	2	8.30	0.25	0.75	3.11		
		Cum	2	6.50	0.25	0.60	1.95		
		Cum	2	5.20	0.25	0.60	1.56		
		Cum	2	5.20	0.25	0.60	1.56		
	Muneshwara Layout	Cum	2	5.60	0.25	0.60	1.68		
		Cum	2	5.90	0.25	0.60	1.77		
		Cum	2	6.20	0.25	0.60	1.86		
		Cum	2	6.10	0.25	0.60	1.83		
	Shivakaote								
	Muthugadha Halli								
		Cum	2	9.20	0.25	0.60	2.76		
	Lingadahalli Main Road								
		Cum	2	7.00	0.25	0.60	2.10		
		Cum	2	8.40	0.25	0.60	2.52		
		Cum	2	6.20	0.25	0.60	1.86		
	Kasagattapura								
	Soldevanahalli								
		Cum	2	6.20	0.25	0.60	1.86		
					Sub Total		55.73		
	Foundation for lighting poles	Cum	200.00	0.70	0.70	1.50	147.00		
					Sub Total		147.00		
	Bed Concrete								
	Kachohalli Village								
		Cum	1.00	1800.00	0.60	0.15	162.00		
	Vaderahalli Village								
		Cum	2	82.00	0.45	0.15	11.07		
		Cum	1	1300.00	0.45	0.15	87.75		
	Kasagattapura								
		Cum	1	350.00	0.60	0.15	31.50		
					Sub Total		292.32		
	Basic rate	6256.00							
	Add 5% for Shuttering	312.80							
		6568.80							
	Area weightage 3%	197.06							
	Sub Total	6765.86							
	Total						1875.79	6765.86	12691313.00
6	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)								
	For Drain	Cum					1380.74		
		kg	Steel assumed 60Kg/Cum of Concrete				82844.37		
		tonne					82.84		

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Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	For Culvert								
		Cum					55.73		
		kg	Steel assumed 90 Kg/Cum of Concrete				5015.39		
	For Road	tonne					5.02		
		Cum					321.00		
		kg	Steel assumed 12Kg/Cum of Concrete				3852.00		
	Foundation for lighting poles	tonne					3.85		
		Cum					147.00		
		kg	Steel assumed 100Kg/Cum of Concrete				14700.00		
	Basic rate	tonne					14.70		
	Area weightage 3%	103329.00							
	Sub Total	3099.87							
	Total	106428.87							
7	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (PWD SR 2021-22 Vol -II Pg 9 item no 5.4)						106.41	106428.87	11325283.00
	Kasagattapura								
	Veerasagara								
	SSM Drain								
		Cum	2	19.80	0.55	1.80	39.20		
	Basic rate								
	Area weightage 3%	5422.00							
	Sub Total	162.66							
	Total	5584.66							
8	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)						39.20	5584.66	218942.00
	Kachohalli Village								
	Nuneshwara Layout Main Rd								
	LHS	Sqm	1	82.00	0.90		73.80		
	2nd Cross left Side Rd								
	LHS	Sqm	1	115.00	0.90		103.50		
	2nd Cross Right Side Rd								
	RHS	Sqm	1	116.00	0.90		104.40		
	3rd Cross Left Side Rd	Sqm	2	174.00	0.90		313.20		
	3rd Cross Right Side Rd								
	LHS	Sqm	1	140.00	0.90		126.00		
	Krishna Nagra								
	KVN Complex Opposite Rd	Sqm	1	82.00	0.90		73.80		
	Near Lakshmi Boutque ready mads shanimahatma temple	Sqm	1	1800.00	0.90		1620.00		
	Vaderahalli Village								
	Netaji Layout								
	Main Road	Sqm	2	378.00	0.90		680.40		
	1st Main Road	Sqm	2	171.00	0.90		307.80		
	1st Main, Cross Road 1	Sqm	2	63.30	0.90		113.94		
	1st Main, Cross Road 2	Sqm	2	52.80	0.90		95.04		
	Main Road, Cross Road	Sqm	2	37.00	0.90		66.60		
	Muneshwara Layout								
	7th Cross Road	Sqm	2	74.00	0.75		111.00		
	8th Cross Road	Sqm	2	82.00	0.75		123.00		
	2nd Cross Road 10th A Main Road	Sqm	2	56.00	0.75		84.00		
	1st Cross Road	Sqm	1	54.00	0.75		40.50		
	Main Road	Sqm	2	54.00	0.75		81.00		
	10th Main 1st Cross Road	Sqm	2	56.00	0.75		84.00		
		Sqm	1	1300.00	0.90		1170.00		
	Shivakaote								
	Kempapura								
	Sri Manjunath Enclave								

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Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	LHS								
	Guni Agrahara								
	2nd Cross Rd	Sqm	1	52.00	0.90		46.80		
	3rd Cross Rd								
	Anjanadri Public School Opposite Rd	Sqm	2	82.50	0.90		148.50		
	LHS	Sqm	1	60.20	0.90		54.18		
	Kasagattapura								
	Soldevanahalli	Sqm	1	210.00	0.75		157.50		
	Gopal Harish Provision Store Rd								
	Anganawasi Kendra Rd								
	LHS								
	SSV Telecome Opposite Rd	Sqm	1	202.10	0.90		181.89		
	RHS								
	Basava Shri Layout	Sqm	1	167.00	0.90		150.30		
	Lalitamma and Srinivas House Rd								
		Sqm	2	112.00	0.90		201.60		
	Achit Nagara	Sqm	1	350.00	0.90		315.00		
	Rangaswami House Rd								
	LHS								
	Data rate	Sqm	1	68.00	0.90		61.20		
	Total	2072.00							
9	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)						6688.95	2072.00	13859505.00
	Culvert cover Slab								
	Kachohalli Village	Sqm							
		Sqm	1	6.80	1.20		8.16		
		Sqm	1	8.30	1.20		9.96		
		Sqm	1	8.30	1.20		9.96		
	Vaderahalli Village								
	Netaji Layout								
		Sqm	1	6.50	1.20		7.80		
		Sqm	1	5.20	1.20		6.24		
		Sqm	1	5.20	1.20		6.24		
		Sqm	1	5.60	1.20		6.72		
	Muneshwara Layout								
		Sqm	1	5.90	1.20		7.08		
		Sqm	1	6.20	1.20		7.44		
		Sqm	1	6.10	1.20		7.32		
	Shivakaote								
	Muthugadha Halli								
		Sqm	1	9.20	1.20		11.04		
	Lingadahalli Main Road								
		Sqm	1	7.00	1.20		8.40		
		Sqm	1	8.40	1.20		10.08		
		Sqm	1	6.20	1.20		7.44		
	Kasagattapura								
		Sqm	1	5.30	1.50		7.95		
	Soldevanahalli								
		Sqm	1	6.20	1.20		7.44		
	Data rate	5037.00							
	Total						129.27	5037.00	651133.00
10	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paidseparately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 21-22 Vol I Pg no 17 Item No 2.4.1)								
	Flagging Coarse PCC	Cum							
	Kachohalli Village								
	Jayanna House Road								
	RHS	Cum	1	82.00	0.15	0.15	1.85		

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Vaderahalli Village								
	8th Cross Road								
	Cross Road	Cum	2	82.00	0.15	0.10	2.46		
		Cum	1	1300.00	0.15	0.10	19.50		
	Kasugattapura								
	Veerasagara								
	SSM Bed Concrete								
		Cum							
	Capping Concrete	Cum	1	19.80	2.55	0.15	7.57		
	Kachohalli Village								
	Jayamma House Road								
	RHS								
	Cross Road	Cum	2	82.00	0.15	0.10	2.46		
		Cum	2	1800.00	0.15	0.10	54.00		
	Vaderahalli Village								
	8th Cross Road								
	Cross Road	Cum	4	82.00	0.15	0.10	4.92		
		Cum	2	1300.00	0.15	0.10	39.00		
	Kasagattapura								
	Soldevanahalli								
	Cross Road	Cum	2	350.00	0.15	0.10	10.50		
	Kerb PCC								
	Kachohalli Village								
	Country Club Road	Cum	2	214.00	0.20	0.10	8.56		
	Vaderahalli Village								
	Netaji Layout								
	Main Road	Cum	2	378.00	0.20	0.10	15.12		
	Muneshwara Layout								
	5th Cross Road	Cum	2	42.00	0.20	0.10	1.68		
	6th Cross Road	Cum	1	70.00	0.20	0.10	1.40		
	7th Cross Road	Cum	2	74.00	0.20	0.10	2.96		
	8th Cross Road	Cum	2	82.00	0.20	0.10	3.28		
	2nd Cross Road 10th A Main Road	Cum	2	56.00	0.20	0.10	2.24		
	1st Cross Road	Cum	1	54.00	0.20	0.10	1.08		
	Main Road	Cum	2	54.00	0.20	0.10	2.16		
	10th Main 1st Cross Road	Cum	2	56.00	0.20	0.10	2.24		
	Kasagattapura								
	Achit Nagara								
	Main Road	Cum	4	412.00	0.20	0.10	32.96		
	Basic rate	6096.00							
	Area weightage 3%	182.88							
	Sub Total	6278.88							
	Total						215.94	6278.88	1355852.00
11	Providing and fixing pre cast solid cement concrete Kerb Stones made out of M20 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading, unloading, lead and lift transportion etc., complete as directed by the Engineer in charge of the work(from finish concrete and no painting to be done)(Data Rate)								
	Kachohalli Village								
	Country Club Road	m	2	214.00			428.00		
	Vaderahalli Village								
	Netaji Layout								
	Main Road	m	2	378.00			756.00		
	Muneshwara Layout								
	5th Cross Road	m	2	42.00			84.00		

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	6th Cross Road	m	1	70.00			70.00		
	7th Cross Road	m	2	74.00			148.00		
	8th Cross Road	m	2	82.00			164.00		
	2nd Cross Road 10th A Main Road	m	2	56.00			112.00		
	1st Cross Road								
	Main Road	m	1	54.00			54.00		
	10th Main 1st Cross Road	m	2	54.00			108.00		
		m	2	56.00			112.00		
	Kasagattapura								
	Soldevanahalli								
	Achit Nagara								
	Main Road								
	Total length	m	4	412.00			1648.00		
	No of Kerb Stones	m					3685.00		
	Sub Total					Total Length/0.45	8189.00		
		Nos					8189.00		
	Date Rate								
	Total	507.00					8189.00	507.00	4151823.00
12	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. MORTH Chapter 803 (PWD SR 2021-22 Vol III Pg no 56 Item No 8.10)								
	Kerb Painting	Sqm							
	Kachohalli Village								
	Country Club Road	Sqm	2	214.00		0.35	149.80		
	Vaderahalli Village								
	Netaji Layout								
	Main Road	Sqm	2	378.00		0.35	264.60		
	Muneshwara Layout								
	5th Cross Road	Sqm	2	42.00		0.35	29.40		
	6th Cross Road	Sqm	1	70.00		0.35	24.50		
	7th Cross Road	Sqm	2	74.00		0.35	51.80		
	8th Cross Road	Sqm	2	82.00		0.35	57.40		
	2nd Cross Road 10th A Main Road	Sqm	2	56.00		0.35	39.20		
	1st Cross Road	Sqm	1	54.00		0.35	18.90		
	Main Road	Sqm	2	54.00		0.35	37.80		
	10th Main 1st Cross Road	Sqm	2	56.00		0.35	39.20		
	Kasagattapura								
	Soldevanahalli								
	Achit Nagara								
	Main Road	Sqm	4	412.00		0.35	576.80		
	Basic rate	85.00							
	Area weightage 3%	2.55							
	Sub Total	87.55							
	Total						1289.40	87.55	112887.00
13	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (PWD SR 2021-22 Vol -II Pg 17 item no 6.33)								
	Flagging coarse	Sqm							
	Jayanna House Road								
	RHS	Sqm	2	82.00		0.40	65.60		
	Cross Road	Sqm	2	1800.00		0.20	720.00		

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Vaderahalli Village								
	8th Cross Road								
	Cross Road	Sqm	4	82.00		0.20	65.60		
		Sqm	1	1300.00		0.20	260.00		
	Kasagattapura								
	Cross Road								
		Sqm	2	350.00		0.20	140.00		
	Basic rate								
	Area weightage 3%	1067.00							
	Sub Total	32.01							
	Total	1099.01							
14	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. (PWD SR 21-22 Vol I Pg no 8 Item No 1.12)						1251.20	1099.01	1375082.00
	New Road								
	Kachohalli Village	Cum							
	KVN Implex ltd Opposite Rd	Cum	1	82.00	5.90	0.30	145.14		
	Shakthi Vinayaka Temple Opposite Rd	Cum	1	115.00	5.50	0.30	189.75		
	Sri Balaji Enterprises	Cum	1	116.00	5.80	0.30	201.84		
	Ranganath Swami House Rd	Cum	1	174.00	7.00	0.30	365.40		
	Samrudhi Nilaya House Rd	Cum	1	140.00	8.00	0.30	336.00		
	Jai Maruthi Layout								
	Main Road	Cum	1	649.00	6.50	0.30	1265.55		
	Mahadeshwara Nagara								
	MR Sales Corporation	Cum	1	82.00	6.00	0.30	147.60		
	Ashraya Layout								
	Tripura Sundari Temple Rd or Wave Ultra Rd	Cum	1	214.00	10.00	0.30	642.00		
	Vaderahalli Village								
	Elegant Nest Layout								
	Anjinamma House Rd	Cum	1	80.00	4.50	0.30	312.93		
	Sri Renuka Nilaya House Rd	Cum	1	40.00	4.30	0.30	81.66		
	MT Kuttan house Rd	Cum	1	36.00	4.30	0.30	68.11		
	Padma Krishna House Rd	Cum	1	39.00	4.80	0.30	53.28		
	Rainbow Layout								
	2nd Cross Rd	Cum	1	42.00	5.70	0.30	71.82		
	4th Cross Rd	Cum	1	55.00	6.00	0.30	126.00		
	5th Cross Road	Cum	1	74.00	5.70	0.30	126.54		
	3rd A Cross Rd	Cum	1	56.00	6.00	0.30	100.80		
	Naveh Shalomm House Rd	Cum	1	54.00	6.10	0.30	98.82		
	Mr.Alexjoy House Rd	Cum	1	54.00	6.70	0.30	108.54		
	3rd Cross Rd	Cum	1	56.00	5.90	0.30	99.12		
	Muneshwara Layout								
	9th Main Rd	Cum	1	30.00	4.10	0.30	36.90		
	Seven Hills County Lauoyt								
	1st Main Rd	Cum	1	25.00	3.20	0.30	24.00		
	1st Cross Rd	Cum	1	40.00	3.60	0.30	43.20		
	2nd Cross Rd	Cum	1	20.00	4.30	0.30	25.80		
	3rd Cross Rd	Cum	1	35.00	5.00	0.30	52.50		
	4th Cross Rd	Cum	1	40.00	4.60	0.30	55.20		
	Cross Rd -1	Cum	1	30.00	4.80	0.30	43.20		
	Shivakaote								
	Mavalipura	Cum							
	Mavalipura Main Road	Cum	1	212.00	8.40	0.30	534.24		
	Muthugadha Halli								
	Shaneshwara Swamy Temple	Cum	1	17.00	15.00	0.30	76.50		
	Surrounding	Cum	1	18.50	4.00	0.30	22.20		

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Sl No	Description of work	Unit	No	Measurement L	B	D	Qty	Rate	Amount
	Tavarekere Hunasahalli Main Road	Cum	1	17.00	1.00	0.30	20.40		
	Ramesh House Road	Cum	1	18.80	1.00	0.30	22.56		
	Tata Institute Rd	Cum	1	163.00	1.30	0.30	255.17		
	Gauri Agrahara	Cum	1	70.00	1.80	0.30	115.50		
	Manya Villa House Rd	Cum	1	133.00	1.30	0.30	207.48		
	Joseph House Rd	Cum	1	82.50	7.00	0.30	173.25		
	Kasagattapura	Cum	1	139.10	3.00	0.30	125.37		
	Church Road								
	Shreshwara Nilaya House Rd	Cum	1	10.80	6.80	0.30	22.03		
		Cum	1	14.60	13.20	0.30	57.82		
		Cum	1	8.30	1.40	0.30	8.36		
		Cum	1	4.60	1.90	0.30	5.28		
		Cum	1	8.10	2.60	0.30	6.32		
	Jai Maruthi Temple Opposite Rd	Cum	1	6.50	5.50	0.30	10.73		
	Koushalya Provision Store Beside Rd	Cum	1	200.00	6.50	0.30	390.00		
	Sobhevanahalli	Cum	1	54.00	6.50	0.10	35.10		
	Jai Maruthi Layout								
	10th Cross Rd								
	Mahalakshmi Nagara	Cum	1	202.10	4.50	0.30	272.84		
	Main Rd								
	1st Main Rd	Cum	1	112.00	5.10	0.30	171.36		
	3rd Cross Rd	Cum	1	78.00	5.20	0.30	121.68		
	Achit Nagara	Cum	1	79.00	5.10	0.30	120.87		
	Main Road								
		Cum	2	412.00	4.50	0.30	1112.40		
		Cum	6	10.00	3.50	0.30	63.00		
	3rd Cross Rd	Cum	1	68.00	4.20	0.30	85.68		
	Kumbarahalli								
	Halle Mara Rd	Cum	1	51.00	5.50	0.30	84.15		
	Venkateshwara Nilaya Opposite Rd	Cum	1	93.00	5.00	0.30	139.50		
	Cross Rd -2	Cum	1	45.20	5.00	0.30	67.80		
	Basic rate	65.00							
	Area weightage 3%	1.95							
	Sub Total	66.95							
	Total						8872.22	66.95	593996.00
15	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately MORTH Specification No. 202(PWD SR 2021-22 Vol -III P.No.10 - I.No.2.19)								
	Kasagattapura								
	Muddinapalya Lake Road	Cum	1	54.00	5.30	0.20	57.24		
		422.00							
	Basic rate	12.66							
	Area weightage 3%	434.66							
	Sub Total						57.24	434.66	24880.00
	Total								
16	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading,grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work. (PWD SR 21-22 Vol I Pg no 7 Item No 1.8)								
	Kachohalli Village	Cum							
	Manchohalli Main Road To	Cum	1	140.00	0.60	0.60	50.40		
	LHS								
	Vaderahalli Village								
	Netaji Layout	Cum	2	378.00	0.60	0.60	272.16		
	Main Road								
	Kasagattapura								

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Soldevanahalli								
	For Drain								
	Gopal Layout Mahalakshmi Layout								
	Gopal Layout Main Road								
	LHS								
	1st Main Road	Cum	1	202.10	0.60	0.60	72.76		
	RHS								
		Cum	1	167.00	0.60	0.30	30.06		
	Basic rate	402.00							
	Area weightage 3%	12.06							
	Sub Total	414.06							
	Total						425.38	414.06	176132.00
17	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 (For Grading -V Material) (PWD SR 21-22 Vol III Pg no 19 Item No 4.1 A (v))								
	For New Road								
	Kachohalli Village	Cum							
	KVN Implex ltd Opposite Rd	Cum	1	82.00	5.90	0.15	72.57		
	Shakthi Vinayaka Temple Opposite Rd	Cum	1	115.00	5.50	0.15	94.88		
	Sri Balaji Enterprises	Cum	1	116.00	5.80	0.15	100.92		
	Ranganath Swami House Rd	Cum	1	174.00	7.00	0.15	182.70		
	Samrudhi Nilaya House Rd	Cum	1	140.00	8.00	0.15	168.00		
	Jai Maruthi Layout								
	Main Road	Cum	1	649.00	6.50	0.15	632.78		
	Mahadeshwara Nagara								
	MR Sales Corporation	Cum	1	82.00	6.00	0.15	73.80		
	Ashraya Layout								
	Tripura Sundari Temple Rd or Wave Ultra Rd	Cum	1	214.00	10.00	0.15	321.00		
	Vaderahalli Village								
	Elegant Nest Layout								
	Anjinamma House Rd	Cum	1	80.00	4.50	0.15	156.47		
	Sri Renuka Nilaya House Rd	Cum	1	40.00	4.30	0.15	40.83		
	MT Kuttan house Rd	Cum	1	36.00	4.30	0.15	34.06		
	Padma Krishna House Rd	Cum	1	39.00	4.80	0.15	26.64		
	Rainbow Layout								
	2nd Cross Rd	Cum	1	42.00	5.70	0.15	35.91		
	4th Cross Rd	Cum	1	55.00	6.00	0.15	63.00		
	5th Cross Road	Cum	1	74.00	5.70	0.15	63.27		
	3rd A Cross Rd	Cum	1	56.00	6.00	0.15	50.40		
	Naveh Shalomm House Rd	Cum	1	54.00	6.10	0.15	49.41		
	Mr.Alexjoy House Rd	Cum	1	54.00	6.70	0.15	54.27		
	3rd Cross Rd	Cum	1	56.00	5.90	0.15	49.56		
	Muneshwara Layout								
	9th Main Rd	Cum	1	30.00	4.10	0.15	18.45		
	Seven Hills County Lauoyt								
	1st Main Rd	Cum	1	25.00	3.20	0.15	12.00		
	1st Cross Rd	Cum	1	40.00	3.60	0.15	21.60		
	2nd Cross Rd	Cum	1	20.00	4.30	0.15	12.90		
	3rd Cross Rd	Cum	1	35.00	5.00	0.15	26.25		
	4th Cross Rd	Cum	1	40.00	4.60	0.15	27.60		
	Cross Rd -1	Cum	1	30.00	4.80	0.15	21.60		
	Shivakaote								
	Mavalipura								
	Mavalipura Main Road	Cum	1	212.00	8.40	0.15	267.12		
	Muthugadha Halli								
	Shaneshwara Swamy Temple Surrounding	Cum	1	17.00	15.00	0.15	38.25		
		Cum	1	18.50	4.00	0.15	11.10		
		Cum	1	17.00	4.00	0.15	10.20		
		Cum	1	18.50	4.00	0.15	11.10		
	Towards Lingadahalli Main Road	Cum	1	163.00	5.30	0.15	129.59		
	Ramesh House Road	Cum	1	70.00	5.50	0.15	57.75		
	Tata Institute Rd	Cum	1	133.00	5.20	0.15	103.74		

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Guni Agrahara								
	Mariya Villa House Rd	Cum	1	82.50	7.00	0.15	86.63		
	Joseph House Rd	Cum	1	139.30	3.00	0.15	62.69		
	Kasagattapura								
	Church Road								
	Byreshwara Nilaya House Rd	Cum	1	10.80	6.80	0.15	11.02		
		Cum	1	14.60	13.20	0.15	28.91		
		Cum	1	8.20	3.40	0.15	4.18		
		Cum	1	4.60	3.90	0.15	2.69		
		Cum	1	8.10	2.60	0.15	3.16		
	Jai Maruthi Tempke Opposite Rd	Cum	1	6.50	5.50	0.15	5.36		
	Soldevanahalli	Cum	1	200.00	6.50	0.15	195.00		
	Jai Maruthi Layout								
	10th Cross Rd								
	Mahalakshmi Nagara	Cum	1	202.10	4.50	0.15	136.42		
	Main Rd								
	1st Main Rd	Cum	1	112.00	5.10	0.15	85.68		
	3rd Cross Rd	Cum	1	78.00	5.20	0.15	60.84		
	Achit Nagara	Cum	1	79.00	5.10	0.15	60.44		
	Main Road								
		Cum	2	412.00	4.50	0.15	556.20		
	3rd Cross Rd	Cum	6	10.00	3.50	0.15	31.50		
	Kumbarahalli	Cum	1	68.00	4.20	0.15	42.84		
	Halie Mara Rd								
		Cum	1	51.00	5.50	0.15	42.08		
	Venkateshwara Nilaya Opposite Rd	Cum	1	93.00	5.00	0.15	69.75		
	Cross Rd -2	Cum	1	45.20	5.00	0.15	33.90		
	Basic rate	2347.00							
	Area weightage 3%	70.41							
	Sub Total	2417.41							
	Total						4418.56	2417.41	10681473.00
18	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8(M5) Using 40 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol -I P.No.15 - I.No.2.1.2)								
	New CC Road								
	Kachohalli Village								
	KVN Implex ltd Opposite Rd	Cum	1	82.00	5.90	0.15	72.57		
	Shakthi Vinayaka Temple Opposite Rd	Cum	1	115.00	5.50	0.15	94.88		
	Sri Balaji Enterprises	Cum	1	116.00	5.80	0.15	100.92		
	Ranganath Swami House Rd	Cum	1	174.00	7.00	0.15	182.70		
	Samrudhi Nilaya House Rd	Cum	1	140.00	8.00	0.15	168.00		
	Jai Maruthi Layout								
	Main Road	Cum	1	649.00	6.50	0.15	632.78		
	Mahadeshwara Nagara								
	MR Sales Corporation	Cum	1	82.00	6.00	0.15	73.80		
	Ashraya Layout								
	Tripura Sundari Temple Rd or Wave Ultra Rd	Cum	1	214.00	10.00	0.15	321.00		
	Vaderahalli Village								
	Elegant Nest Layout								
	Anjinamma House Rd	Cum	1	80.00	4.50	0.15	156.47		
	Sri Renuka Nilaya House Rd	Cum	1	40.00	4.30	0.15	40.83		
	MT Kuttan house Rd	Cum	1	36.00	4.30	0.15	34.06		
	Padma Krishna House Rd	Cum	1	39.00	4.80	0.15	26.64		
	Rainbow Layout								
	2nd Cross Rd	Cum	1	42.00	5.70	0.15	35.91		
	4th Cross Rd	Cum	1	55.00	6.00	0.15	63.00		
	5th Cross Road	Cum	1	74.00	5.70	0.15	63.27		
	3rd A Cross Rd	Cum	1	56.00	6.00	0.15	50.40		

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Naveh Shalomm House Rd	Cum	1	54.00	6.10	0.15	49.41		
	Mr.Alexjoy House Rd	Cum	1	54.00	6.70	0.15	54.27		
	3rd Cross Rd	Cum	1	56.00	5.90	0.15	49.56		
	Muneshwara Layout								
	9th Main Rd	Cum	1	30.00	4.10	0.15	18.45		
	Seven Hills County Lauoyt								
	1st Main Rd	Cum	1	25.00	3.20	0.15	12.00		
	1st Cross Rd	Cum	1	40.00	3.60	0.15	21.60		
	2nd Cross Rd	Cum	1	20.00	4.30	0.15	12.90		
	3rd Cross Rd	Cum	1	35.00	5.00	0.15	26.25		
	4th Cross Rd	Cum	1	40.00	4.60	0.15	27.60		
	Cross Rd -1	Cum	1	30.00	4.80	0.15	21.60		
	Shivakaote								
	Mavalipura								
	Mavalipura Main Road	Cum	1	612.00	8.40	0.15	771.12		
	Muthugadha Halli								
	Shaneshwara Swamy Temple Surrounding	Cum	1	17.00	15.00	0.15	38.25		
		Cum	1	18.50	4.00	0.15	11.10		
		Cum	1	17.00	4.00	0.15	10.20		
		Cum	1	18.50	4.00	0.15	11.10		
	Towards Lingadahalli Main Road	Cum	1	163.00	5.30	0.15	129.59		
	Ramesh House Road	Cum	1	70.00	5.50	0.15	57.75		
	Tata Institute Rd	Cum	1	133.00	5.20	0.15	103.74		
	Guni Agrahara								
	Mariya Villa House Rd	Cum	1	82.50	7.00	0.15	86.63		
	Joseph House Rd	Cum	1	139.30	3.00	0.15	62.69		
	Kasagattapura								
	Church Road	Cum	1	10.80	6.80	0.15	11.02		
	Byreshwara Nilaya House Rd	Cum	1	14.60	13.20	0.15	28.91		
		Cum	1	8.20	3.40	0.15	4.18		
		Cum	1	4.60	3.90	0.15	2.69		
		Cum	1	8.10	2.60	0.15	3.16		
		Cum	1	6.50	5.50	0.15	5.36		
	Jai Maruthi Tempke Opposite Rd	Cum	1	254.00	6.50	0.15	247.65		
	Soldevanahalli								
	Jai Maruthi Layout								
	10th Cross Rd	Cum	1	202.10	4.50	0.15	136.42		
	Mahalakshmi Nagara								
	Main Rd	Cum	1	112.00	5.10	0.15	85.68		
	1st Main Rd	Cum	1	78.00	5.20	0.15	60.84		
	3rd Cross Rd	Cum	1	79.00	5.10	0.15	60.44		
	Achit Nagara								
	Main Road	Cum	2	412.00	4.50	0.15	556.20		
		Cum	6	10.00	3.50	0.15	31.50		
	3rd Cross Rd	Cum	1	68.00	4.20	0.15	42.84		
	Kumbarahalli								
	Halie Mara Rd	Cum	1	51.00	5.50	0.15	42.08		
	Venkateshwara Nilaya Opposite Rd	Cum	1	93.00	5.00	0.15	69.75		
	Cross Rd -2	Cum	1	45.20	5.00	0.15	33.90		
	Basic rate	5364.00							
	Area weightage 3%	160.92							
	Sub Total	5524.92							
	Total						4975.21	5524.92	27487640.00
19	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing). spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete MORTH Specification No.1501 . as per the directions of the Engineer-in-charge of the work. (PWD SR 2021-22 Vol -III Pg 138 item no 20.29)								

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	New CC Road								
	Kachohalli Village								
	KVN Implex ltd Opposite Rd	Cum	1	82.00	5.90	0.15	72.57		
	Shakthi Vinayaka Temple Opposite Rd	Cum	1	115.00	5.50	0.15	94.88		
	Sri Balaji Enterprises	Cum	1	116.00	5.80	0.15	100.92		
	Ranganath Swami House Rd	Cum	1	174.00	7.00	0.15	182.70		
	Samrudhi Nilaya House Rd	Cum	1	140.00	8.00	0.15	168.00		
	Jai Maruthi Layout								
	Main Road	Cum	1	649.00	6.50	0.15	632.78		
	Mahadeshwara Nagara								
	MR Sales Corporation	Cum	1	82.00	6.00	0.15	73.80		
	Ashraya Layout								
	Tripura Sundari Temple Rd or Wave Ultra Rd	Cum	1	214.00	10.00	0.15	321.00		
	Vaderahalli Village								
	Elegant Nest Layout								
	Anjinamma House Rd	Cum	1	80.00	4.50	0.15	54.00		
	Sri Renuka Nilaya House Rd	Cum	1	40.00	4.30	0.15	25.80		
	MT Kuttan house Rd	Cum	1	36.00	4.30	0.15	23.22		
	Padma Krishna House Rd	Cum	1	39.00	4.80	0.15	28.08		
	Rainbow Layout								
	2nd Cross Rd	Cum	1	42.00	5.70	0.15	35.91		
	4th Cross Rd	Cum	1	55.00	6.00	0.15	49.50		
	5th Cross Road	Cum	1	74.00	5.70	0.15	63.27		
	3rd A Cross Rd	Cum	1	56.00	6.00	0.15	50.40		
	Naveh Shalomm House Rd	Cum	1	54.00	6.10	0.15	49.41		
	Mr.Alexjoy House Rd	Cum	1	54.00	6.70	0.15	54.27		
	3rd Cross Rd	Cum	1	56.00	5.90	0.15	49.56		
	Muneshwara Layout								
	9th Main Rd	Cum	1	30.00	4.10	0.15	18.45		
	Seven Hills County Lauoyt								
	1st Main Rd	Cum	1	25.00	3.20	0.15	12.00		
	1st Cross Rd	Cum	1	40.00	3.60	0.15	21.60		
	2nd Cross Rd	Cum	1	20.00	4.30	0.15	12.90		
	3rd Cross Rd	Cum	1	35.00	5.00	0.15	26.25		
	4th Cross Rd	Cum	1	40.00	4.60	0.15	27.60		
	Cross Rd -1	Cum	1	30.00	4.80	0.15	21.60		
	Shivakaote								
	Mavalipura								
	Mavalipura Main Road	Cum	1	612.00	8.40	0.15	771.12		
	Muthugadha Halli								
	Shaneshwara Swamy Temple Surrounding	Cum	1	17.00	15.00	0.15	38.25		
		Cum	1	18.50	4.00	0.15	11.10		
		Cum	1	17.00	4.00	0.15	10.20		
		Cum	1	18.50	4.00	0.15	11.10		
	Towards Lingadahalli Main Road	Cum	1	163.00	5.30	0.15	129.59		
	Ramesh House Road	Cum	1	70.00	5.50	0.15	57.75		
	Tata Institute Rd	Cum	1	133.00	5.20	0.15	103.74		
	Guni Agrahara								
	Mariya Villa House Rd	Cum	1	82.50	7.00	0.15	86.63		
	Joseph House Rd	Cum	1	139.30	3.00	0.15	62.69		
	Kasagattapura								
	Church Road	Cum	1	10.80	6.80	0.15	11.02		
	Byreshwara Nilaya House Rd	Cum	1	14.60	13.20	0.15	28.91		
		Cum	1	8.20	3.40	0.15	4.18		
		Cum	1	4.60	3.90	0.15	2.69		
		Cum	1	8.10	2.60	0.15	3.16		
		Cum	1	6.50	5.50	0.15	5.36		
	Jai Maruthi Tempke Opposite Rd	Cum	1	254.00	6.50	0.15	247.65		
	Soldevanahalli								
	Jai Maruthi Layout								
	10th Cross Rd	Cum	1	202.10	4.50	0.15	136.42		

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Mahalakshmi Nagara								
	Main Rd								
	1st Main Rd	Cum	1	112.00	5.10	0.15	85.68		
	3rd Cross Rd	Cum	1	78.00	5.20	0.15	60.84		
	Achit Nagara	Cum	1	79.00	5.10	0.15	60.44		
	Main Road								
		Cum	2	412.00	4.50	0.15	556.20		
	3rd Cross Rd	Cum	6	10.00	3.50	0.15	31.50		
	Kumbarahalli	Cum	1	68.00	4.20	0.15	42.84		
	Halie Mara Rd								
	Venkateshwara Nilaya Opposite Rd	Cum	1	51.00	5.50	0.15	42.08		
	Cross Rd -2	Cum	1	93.00	5.00	0.15	69.75		
	Basic rate	Cum	1	45.20	5.00	0.15	33.90		
	Area weightage 3%	6837.00							
	Sub Total	205.11							
	Total	7042.11							
							4975.21	7042.11	35035980.00
20	Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge. MORTH Specification No. 602.6.3(PWD SR 2021-22 Vol -III Pg 146 item no 4)								
	Kachohalli Village								
	Transverse Cutting	m	393.00	6.40			2515.20		
	Longitudional Cutting	m	1	1572.00			1572.00		
	Vaderahalli Village								
	Transverse Cutting	m	183	6.00			1098.00		
	Longitudional Cutting	m	1	577.00			577.00		
	Shivakaote								
	Transverse Cutting	m	318	6.00			1908.00		
	Longitudional Cutting	m	1	1077.50			1077.50		
	Kasagattapura								
	Transverse Cutting	m	365	6.00			2190.00		
	Transverse Cutting	m	1	1429.90			1429.90		
	Basic rate	70.00							
	Area weightage 3%	2.10							
	Sub Total	72.10							
	Total						12367.60	72.10	891704.00
21	Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (approx. 25% larger than the initial 3 mm.to 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8mm.wide). MORTH Specification No. 602.6.3(PWD SR 2021-22 Vol -III Pg 147 item no 5)								
	Qty Vide frm Item No-20	m					12367.60		
		165.00							
	Basic rate	4.95							
	Area weightage 3%	169.95							
	Sub Total						12367.60	169.95	2101874.00
	Total								
22	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum..(Tipper 5.5 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1A)								
	Qty Vide frm Item No-01+02+03+14+15	Cum					15210.63		
	Total						15210.63	121.54	1848700.00
		118.00							
	Basic rate	3.54							
	Area Weightage 3%								

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
23	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)								
	Qty frm Item No-22	t.Km		15210.63	1.28		19469.60		
	Total						19469.60	98.88	1925155.00
	Basic rate	12.00							
	8Km 12*8	96.00							
	Area Weightage 3%	2.88							
	Total	98.88							
24	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (PWD SR 2021-22 Vol-II Page No.17, Item No.6.32)								
	For Benches Platforms	Sqm	25.00	8.40		0.20	42.00		
	Basic rate	1202.00							
	Area weightage 3%	36.06							
	Sub Total	1238.06							
	Total						42.00	1238.06	51999.00
25	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete. (PWD SR 2021-22 Vol-I Page No.7, Item No.1.11)								
	For Benches Platforms	Cum	25.00	1.80	1.60	0.10	7.20		
	Basic rate	2177.00							
	Area weightage 3%	65.31							
	Sub Total	2242.31							
	Total						7.20	2242.31	16145.00
26	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol-I Page No.15, Item No.2.2.1.1)								
	For Benches Platforms	Cum	25.00	1.80	1.60	0.10	7.20		
	Basic rate	6231.00							
	Area weightage 3%	186.93							
	Sub Total	6417.93							
	Total						7.20	6417.93	46210.00
27	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (PWD SR 2021-22 Vol-II Page No.65, Item No.9.40)								
	For Benches Platforms	Sqm	25.00	2.20	2.00		110.00		
	Basic rate	1139.00							
	Area weightage 3%	34.17							
	Sub Total	1173.17							
	Total						110.00	1173.17	129049.00
28	Executive Bench-Made out of Sadarahalli grey granite stone with hand supports with 3 line finishing with arch/plain design with 100mm slabs height 90x Length 1500 width 45cms (1.50*0.45*0.90m) (Including lead and lift Charges) (inclusive of all taxes) As per the directon of Engineer Incharge. (Data approved rate)								
	benches	Nos	25.00				25.00		
	Data Rate	18200.00							
	Total						25.00	18200.00	455000.00
29	Fabricating, supplying and erection of ... ms long hot dip Galvanized Octagonal hot dip Pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/s for .....m Pole in single section and single joint welded as per IS 9595/IS10178AWS having dimensions bottom ..... mm , top.... mm with 3 mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the Pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended. 6 m - Top 70 mm and Bottom 130 mm dia (PWD Electrical SR 2021-22 Vol-VI Part-1 Page No.7, Item No.4.2.4)								

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Sl No	Description of work	Unit	Measurement				Qty	Rate	Amount
			No.	L	B	D			
	Poles for LED Streetlight:								
		Each	200				200.00		
	Basic Rate:								
	Total							01584.00	
30							200.00	01584.00	2116800.00
	Supply of LED Streetlight luminaire with pressure die cast aluminum housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K. IP66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains. Surge Protection- Min 5KV along with Over voltage Overload, short circuit, miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate with voltage range from 180V to 270V 50/60Hz application. Compliance to IS 10322/IEC 61598, LM 79 & LM 80 Adherence with RoHS, UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized thermal mode. LED Light fixture with ____W System Power consumption. LED Efficiency>130 lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned (PWD Electrical SR 2021-22 Vol-VI Page No.36, Item No.10.8.4)								
	LED Streetlight 90 Watts	No	200				200.00		
	Basic Rate:							7777.00	
	Total						200.00	7777.00	1555400.00
31	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S. by vertical electrical sounding by adopting Wenner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M – 15%, b) Above 30 M – 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 2.0M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. (PWD SR 2021-22 Vol-II Page No.192, Item No.4)								
		Each BW	4				4	5295.25	21181.00
	Basic Rate:	5104.00							
	3% Area Weightage:	191.25							
	Total	5295.25							
32	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimumworking of compressor for one hour (Excluding cost of casing pipes,collars, cap etc., complete) (PWD SR 2021-22 Vol-V Page No.151, Item No.1)								
	0-5hours	Hours	4	50.00			200.00	298.70	59740.00
	Basic Rate:	290.00							
	3% Area Weightage:	8.70							
	Total	298.70							
33	5hr-10hours(PWD SR 2021-22 Vol-V Page No.151, Item No.1.2)	Hours	4	50.00			200.00	374.92	74984.00
	Basic Rate:	364.00							
	3% Area Weightage:	10.92							
	Total	374.92							
34	10hr-15hours (PWD SR 2021-22 Vol-V Page No.151, Item No.1.3)	Hours	4	50.00			200.00	398.61	79722.00
	Basic Rate:	387.00							
	3% Area Weightage:	11.61							
	Total	398.61							

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
35	150-200mtrs (PWD SR 2021-22 Vol-V Page No.151, Item No.1.4)	Rmtr	4	50.00			200.00	462.47	92494.00
	Basic Rate	449.00							
	3% Area Weightage	13.47							
	Total	462.47							
36	200-250mtrs (PWD SR 2021-22 Vol-V Page No.151, Item No.1.5)	Rmtr	4	50.00			200.00	542.81	108562.00
	Basic Rate	527.00							
	3% Area Weightage	15.81							
	Total	542.81							
37	250-300mtrs (PWD SR 2021-22 Vol-V Page No.151, Item No.1.6)	Rmtr	4	50.00			200.00	574.74	114948.00
	Basic Rate	558.00							
	3% Area Weightage	16.74							
	Total	574.74							
38	300-350mtrs (PWD SR 2021-22 Vol-V Page No.151, Item No.1.7)	Rmtr	4	50.00			200.00	638.60	127720.00
	Basic Rate	620.00							
	3% Area Weightage	18.60							
	Total	638.60							
39	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m. prices include Collar-Medium duty. (PWD SR 2021-22 Vol-V Page No.154, Item No.32)								
		Rmtr	4	60.00			240.00	1990.99	477838.00
	Basic Rate	1933.00							
	3% Area Weightage	57.99							
	Total	1990.99							
40	PVC pipes of 10 Kg/cm2 for 200mm (PWD SR 2021-22 Vol-V Page No.35, Item No.1188)								
		m	4	10.00			40.00	1329.00	53160.00
41	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge (PWD SR 2021-22 Vol-V Page No.155, Item No.34)								
		Each	4				4	168.92	676.00
	Basic Rate	164.00							
	3% Area Weightage	4.92							
	Total	168.92							
42	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. (PWD Electrical SR 2022-23 Vol-VI Page No.15, Item No.5.42.2)								
		Sq.cm	4	1100	20		88000	0.38	33440.00
43	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI Union confirming to IS 1239-II, 1991 with latest amendments if any (PWD SR 2021-22 Vol-V Page No.145, Item No.13.6)								
		Each	4	1			4	225.57	903.00
	Basic Rate	219.00							
	3% Area Weightage	6.57							
	Total	225.57							

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
44	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any. (PWD SR 2021-22 Vol-V Page No.146, Item No.15.6)								
	Basic Rate	Each	4	3			12	180.25	2163.00
	3% Area Weightage	175.00							
	Total	5.25							
		180.25							
45	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for: (PWD SR 2021-22 Vol-V Page No.144, Item No.7.6)								
	Basic Rate	Each	4	3			12	225.57	2707.00
	3% Area Weightage	219.00							
	Total	6.57							
		225.57							
46	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer								
	Basic Rate	Job	4				4	6334.50	25338.00
	3% Area Weightage	6150.00							
	Total	184.50							
		6334.50							
47	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work. (PWD SR 2021-22 Vol-V Page No.163, Item No.40)								
	Basic Rate	Job	4				4	1390.50	5562.00
	3% Area Weightage	1350.00							
	Total	40.50							
		1390.50							
48	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm (Ele SR 2019-20 P-No 40 I/No-6.4.4)								
		Rmtr	4	45.00			180.00	150.00	27000.00
49	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm. (Ele SR OF 2019-20 P-No 41 I/No-6.5.1)								
		Rmtr	4	45.00			180.00	11.88	2139.00
50	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces(P.No - 41, I.No -6.6.3, KPWD Electrical SR 19-20)								
		Mtr	4	45.00			180.00	82.00	14760.00
51	Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm (P.No - 41, I.No -6.9.1, KPWD Electrical SR 19-20)								
		Mtr	4	4.00			16.00	335.00	5360.00
52	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall								
		Job	4				4	3862.50	15450.00
	Basic Rate	3750.00							
	3% Area Weightage	112.50							
	Total	3862.50							
53	Providing,Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. 3½x6 Sqm (PWD SR 2021-22 Vol-V Page No.164, Item No.44.1)								
		Each	4				4	530.45	2122.00
	Basic Rate	515.00							
	3% Area Weightage	15.45							
	Total	530.45							
54	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5" (PWD Electrical SR 2022-23 Vol-VI Part-1 Page No.10, Item No.5.6.6)								
		Nos	4				4	315.00	1260.00
55	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 17.50 HP - 120 LPM @ 308 m = 26 STG Outlet Dia - 2.00" (PWD SR 2021-22 Vol-V Page No.161, Item No. 19.6)								
		Each	4				4	78963.00	315852.00

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
56	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) (PWD SR 2021-22 Vol-V Page No.162, Item								
	Basic Rate	Each	4	51.00			204.00	3141.50	640866.00
	3% Area Weightage	3050.00							
	Total	91.50							
		3141.50							
57	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010, 3C x 6 mm2 (PWD Electrical SR 2022-23 Vol-VI Page No.4, Item No.2.6.4)								
		Mtr	4	642.00			2568.00	242.00	621456.00
58	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP (PWD Electrical SR 2022-23 Vol-VI Page No.10, Item No.5.2.2)								
		Nos	4				4.00	8640.00	34560.00
59	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm (PWD SR 2021-22 Vol-V Page No.162, Item No.27.1)								
	Basic Rate	Each	4				4	1287.50	5150.00
	3% Area Weightage	1250.00							
	Total	37.50							
		1287.50							
60	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm (PWD SR 2021-22 Vol-V Page No.162, Item No.28.1)								
		Each	4				4.00	1313.25	5253.00
	Basic Rate	1275.00							
	3% Area Weightage	38.25							
	Total	1313.25							
61	Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box. (PWD SR 2021-22 Vol-V Page No.162, Item No.32)								
		per 3 Poles	4				4.00	1287.50	5150.00
	Basic Rate	1250.00							
	3% Area Weightage	37.50							
	Total	1287.50							
62	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. (PWD SR 2021-22 Vol -								
	For Connecting borewell	Cum	4	425.00	0.60	0.75	765.00		
	Sub total						765.00	484.10	370337.00
	Basic Rate	470.00							
	3% Area Weightage	14.10							
	Total	484.10							
63	Providing and installing at site of work 6 Kg/m2: 63mm(weight of pipe -0.662 kg) P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth								
	For Connecting borewell	mtr	4	425.00			1700.00		
	Sub total						1700.00	157.59	267903.00
		153.00							
	Basic Rate	4.59							
	3% Area Weightage	157.59							
	Total								
64	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications (PWD SR 2021-22 Vol -I Pg No								
	For Connecting borewell	Cum	4	425.00	0.60	0.75	765.00		
	Sub total						765.00	125.66	96130.00
	Basic Rate	122.00							
	3% Area Weightage	3.66							
	Total	125.66							
	BESCOM Charges	Nos	4				4	20000	80000.00

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Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
								Total of Other SR Items including GST Unit Rate	80000.00
								Total of RWS 21-22,Electrical SR 19-20,21-22,PWD SR 2018-19 And 2021-22 Items	139924700.00
								Sub Total	140004700.00
								GST Charges (12% of estimated cost)	16790964.00
								Total	156795664.00
								DPR Charges (1% of estimated cost)	1600000.00
								Project management And Consultancy Charges(1% of estimated cost)	1600000.00
								Miscellenious and rounding	4336.00
								Total Amount	160000000.00
								RUPEES SIXTEEN CRORE ONLY	

CERTIFICATE:

1) The work spot has been inspected and found to be nececssary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are nececssary and minimum
4) The estimate is based on C.S.R of 2018-2019, PWD 2021-2022, RWS-21-22 KPTCL-21-22 Issue rates and Data Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

RUDRAPRASAD CONSULTANTS
BANGALORE

Rs. 1600.00 lakhs
P 3877
CER NO : 21 Dt: 7/6/22

Administrative Approval
Accorded For Rs. 1600.00 lakhs
Head of A/C P. 3877
CER NO : 05 Dt: 18/8/2022
E.E. (Project)

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